WHAT IS CLAIMED IS:

1. A mechanism for fast fastening fans of a server, comprising:

a fastening frame of hollow parallelepiped shape, the fastening frame comprising at least one divider for dividing an internal space of the fastening frame into a plurality of compartments each having two opposite openings on front and rear walls respectively, a plurality of first fastening members each disposed inside the compartment to be abutted on and perpendicular to the divider, each of the first fastening members comprising a positioning groove abutted on the divider;

a plurality of fans each disposed in each of the compartments and having an outlet completely aligned with the front and the rear openings; and

a plurality of second fastening member disposed on a housing of the server, the second fastening members being adapted to correspond to the first fastening members so that the first and the second fastening members are capable of securing together by snapping the second fastening members in the positioning grooves.

2. The mechanism of claim 1, wherein the first fastening member is a pair of longitudinal flexible arms each comprising a transverse projection at an open top end extended toward the positioning groove and a pair of opposite protuberances facing the positioning groove.

3. The mechanism of claim 1, wherein the second fastening member is of longitudinal hollow shape having a section of U, the second fastening member comprising a cavity at either side.

4. The mechanism of claim 3, wherein the second fastening members are disposed on the housing of the server between an interface circuit board and a converter in front of a power supply.

5. The mechanism of claim 4, wherein power of each of the fans is fed from a

power cord extended from one side of the fastening frame to couple to the interface circuit board.

6. The mechanism of claim 4, wherein a width of the fastening frame is equal to that of the power supply in the housing of the server.

7. The mechanism of claim 1, wherein the fans are arranged in a row in the fastening frame to form a fan assembly.